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Product datasheet for PH311898

H2BC11 (NM_021058) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST1H2BJ MS Standard C13 and N15-labeled recombinant protein (NP_066402)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211898
Predicted MW:	13.7 kDa
Protein Sequence:	>RC211898 representing NM_021058 Red=Cloning site Green=Tags(s) MPEPAKSAPAPKKGSKKAVTKAQKKDGKKRKRSRKESYSIYVYKVLKQVHPDTGISSKAMGIMNSFVNDI FERIAGEASRLAHYNKRSTITSREIQTAVRLLLPGELAKHAVSEGTKAVTKYTSAK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066402
RefSeq Size:	481
RefSeq ORF:	378
Synonyms:	H2B/r; H2BFR; H2BJ; HIST1H2BJ
Locus ID:	8970
UniProt ID:	P06899, A0A024RCJ2
Cytogenetics:	6p22.1

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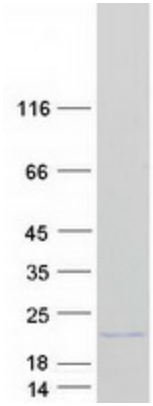
Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene lack polyA tails but instead contain a palindromic termination element. This gene is found in the histone microcluster on chromosome 6p21.33. [provided by RefSeq, Aug 2015]

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified HIST1H2BJ protein (Cat# [TP311898]). The protein was produced from HEK293T cells transfected with HIST1H2BJ cDNA clone (Cat# [RC211898]) using MegaTran 2.0 (Cat# [TT210002]).